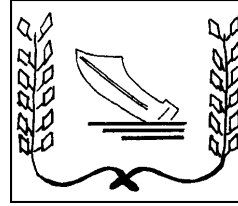


MOTORBOATMAN
INTEREST BADGE


Date Passed

Signed

NOTE: This badge can be carried out in a boat with outboard motors or inboard petrol or diesel motors, whichever is appropriate to the waters and conditions in which the Scout will normally operate. Not all the requirements are necessarily appropriate to all power boats. To assist the examiner, alternative requirements are listed for boats that are not permanently moored on the water, ie single or twin engine outboard motor powered boats.

1. Be at least 16 years of age and hold the Swimmer Interest Badge. _____ 1
2. Explain, discuss and demonstrate that you know how to run a motorboat with reference to the following:

- a) Examine and report on the condition and use of the following equipment which must be onboard the boat: life-saving device for each person on board, fire extinguisher, oars or paddles, tool kit, emergency spare parts, horn, whistle and other sound signals, compass, anchor and line, first aid kit, bilge pump or bailer.

Alternative test for small outboard powered boats

Life-saving device for each person on board. (These must be donned before boarding and worn at all times whilst the boat is on the water.) Fire extinguisher, oars or paddles, tool kit including shear pin where applicable, and spark plugs, patches and air pump for rubber-hulled boats, device for making sound signals, compass, anchor and line, safety chains, first aid kit, bailer.

- b) Fuel and check the engine/s before starting. Demonstrate the correct fuelling procedures, including safety, for the appropriate engine.
- c) Carry out the following through the appropriate commands to your crew:
 - I. Start engines and get underway from a buoy or jetty.
 - II. Run a straight course for half a kilometre. Make right-angled turns port and starboard. Make a 'U' turn.
 - III. Stop the boat, drop anchor, raise anchor, and get underway.
 - IV. Demonstrate 'man-overboard' drill. Pick up a man overboard using methods appropriate to the boat being used.
 - V. Come alongside a jetty or buoy and moor.
 - VI. Moor boat at jetty or buoy for extended stay. Bear in mind prevailing winds, tides and water levels. Use appropriate stern and bow lines, springs and breast lines.
 - VII. Demonstrate the correct use of a boat hook.

Alternative test for small outboard powered boats

All of (c) excluding (vi) and (vii) but including the following:

- VIII. Change shear pin, where applicable, of an outboard motor whilst the boat is drifting in open water.
- IX. Explain the steps to be taken to secure a small power boat and its equipment overnight on shore.
- X. Launch the boat from a trailer and replace the boat on a trailer, fit chevron board, secure boat on trailer, hitch trailer to tow vehicle, fit all electrical connections and check that all lights and indicators work. Carry out safety check on trailer hitch and brakes.

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3. Know the rules of the road for all craft and know local regulations affecting power boats in your Area. Show that you are familiar with the rules relating to power boating _____ 3
4. Have a working knowledge of an internal combustion engine. Demonstrate that you have the ability to carry out the following, appropriate to the craft you normally use:
 - a) For outboard motors - change and clean spark plugs, check magneto or distributor, mix oil with fuel for two-stroke motor, carry out normal service and safety check in accordance with the engine manufacturer's requirements; Show how to flush and store motor for prolonged lay-up.
 - b) For inboard motors - change and clean spark plugs. Check and service points and condenser, change engine oil, fuel and oil filters. Check or change air tillers, service and check cooling system, carry out normal service and safety check in accordance with the engine manufacturer's requirements. (Produce manufacturer's operator's manual.)
 - c) For inboard diesel motors - bleed the fuel system, change engine oil, oil and fuel filters, change or check air filters, service and check cooling system, carry out normal service and safety check in accordance with the engine manufacturer's requirements. _____ 4
5. Show that you have a knowledge of the principles of the action of the propeller in the water, both single and twin screws. Know and demonstrate how the position of a rudder affects the control of a craft when moving ahead or astern. Alternatively demonstrate going astern or turning with single or twin outboard motors. _____ 5
6. Plan and lead an expedition of 8 hours' duration on water, covering one or more of the following:

Rescue duty
Chart or mapmaking
Fishing

Water skiing
Ecological study

Submit a log of the expedition with charts, illustrations, crew duties, list of stores, kit etc, appropriate to the expedition. _____ 6
7. In addition to (6) provide a log signed by your Scouter, or person in charge, showing that you have completed at least 15 hours as skipper or crew in the motorboat of your choice. _____ 7